POLYCLONAL ANTI-CONJUGATED TYROSINE ANTIBODIES (rabbit)

Data Sheet

Code number : AP010

Description
Polyclonal antisera were raised in rabbits after immunisation with the conjugates: Tyrosine-Glutaraldehyde-Carriers.

Specificity
Using a conjugate Tyrosine-Glutaraldehyde-Protein, antibody specificity was performed with an ELISA test by competition experiments with the following compounds:

<table>
<thead>
<tr>
<th>Compound</th>
<th>Cross-reactivity ratio (a)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tyrosine-G-BSA</td>
<td>1</td>
</tr>
<tr>
<td>Tyrosine-GA-BSA</td>
<td>1/&gt;100,000</td>
</tr>
<tr>
<td>Tyrosine</td>
<td>1/&gt;100,000</td>
</tr>
<tr>
<td>Phenylalanine-G-BSA</td>
<td>1/6,000</td>
</tr>
<tr>
<td>Tryptophan-G-BSA</td>
<td>1/35,000</td>
</tr>
</tbody>
</table>

(a) : Tyrosine-G-BSA concentration/unconjugated or conjugated catecholamine concentration at half displacement; G = Glutaraldehyde, GA = Glutaric anhydride, BSA = Bovine Serum Albumin.

Recommended dilution
The antiserum was tested using the free floating PAP technique on rat dopaminergic areas. The anti-conjugated Tyrosine antibodies gave a good staining between a 1/2,000-1/5,000 dilution in these areas.

Storage and handling
Antisera were aliquoted (100µl) and stored at -20°C or lower. They are stable at least 2 years. Each aliquot can be defreezed and refreezed up to 5 times. It can be prediluted 10X in PBS containing 0.1% merthiolate or a mixture PBS/glycerol (vol/vol). These solutions were stable at +4°C for 2 months. Lyophilized antisera are stable at least 1 year. Antisera could be reconstituted with 100µl pure water when the solution is completely used. For a storage at +4°C, use pure water with 0.1% merthiolate. This solution is stable at +4°C for 2 months. For a storage at -20°C, a mixture of water/glycerol (vol/vol.) is preferred.

Corresponding antigen
Gemac sells the corresponding antigen:
Tyrosine conjugate (code number: AG010)

References